

## Interview Summary

Application No.

10/536,989

Applicant(s)

SHIKAN ET AL.

Examiner

David H. Bollinger

Art Unit

3653

All participants (applicant, applicant's representative, PTO personnel):

(1) David H. Bollinger.

(3) \_\_\_\_\_.

(2) Mr. Aaron C. Walker.

(4) \_\_\_\_\_.

Date of Interview: 21 December 2007.

Type: a) ☒ Telephonic b) ☐ Video Conference  
c) ☐ Personal [copy given to: 1) ☐ applicant 2) ☐ applicant's representative]

Exhibit shown or demonstration conducted: d) ☐ Yes e) ☐ No.

If Yes, brief description: \_\_\_\_\_.

Claim(s) discussed: Claims of record.

Identification of prior art discussed: \_\_\_\_\_.

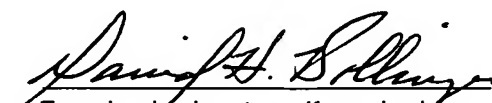
Agreement with respect to the claims f) ☒ was reached. g) ☐ was not reached. h) ☐ N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: See Continuation Sheet.

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

  
Examiner's signature, if required

Continuation of Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's representative indicated that claim 7 would be cancelled. Discussed the rejection of claims 1 through 6 under 35 USC 112 second paragraph and a proposed amendment to overcome the rejection of claims 1 through 6. See attached copy of proposed amendment. The examiner indicated the proposed amendment would overcome the rejection of claims 1 through 6 under 35 USC 112 second paragraph and place these claims in condition for allowance. Further, with the cancellation of claim 7 the application would then be in condition for allowance. Applicant's representative agreed to an examiner's amendment incorporating the proposed amendments.

**LAW OFFICES  
STAAS & HALSEY LLP**

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Washington, D.C. 20005

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**FACSIMILE TRANSMISSION**

December 19, 2007

TO: USPTO

ATTN: Examiner David H. Bollinger

FAX NO.: (571) 273-6935

TELEPHONE:

FROM: Aaron C. Walker

RE: Proposed Claim Amendments for Interview

OUR DOCKET: 1391.1068

NO. OF PAGES (Including this Cover Sheet) 4

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COMMENTS:

## Applicant Initiated Interview Request Form

Application No.: 10/530,989 First Named Applicant: SHIKAN  
 Examiner: David Bollinger Art Unit: 3653 Status of Application: Pending

## Tentative Participants:

(1) Aaron C. Walker (2) David Bollinger  
 (3) \_\_\_\_\_ (4) \_\_\_\_\_

Proposed Date of Interview: 12/24/07 Proposed Time: 2 (AM/PM) (PM)

## Type of Interview Requested:

(1) ☒ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☒ YES ☐ NO

If yes, provide brief description: See attached

## Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) <u>112</u>	<u>1</u>	<u>N/A</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Continuation Sheet Attached					

## Brief Description of Arguments to be Presented:

See attached Proposed Claim Amendments

An interview was conducted on the above-identified application on \_\_\_\_\_.

NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature

Aaron C. Walker

Typed/Printed Name of Applicant or Representative

59,921

Registration Number, if applicable

Examiner/SPE Signature

This collection of information is required by 37 CFR 1.133. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS

### **PROPOSED CLAIM AMENDMENTS**

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claim 1 and CANCEL claim 7 in accordance with the following:

1. (Currently Amended) A paper feed apparatus includes a pick mechanism for successively taking out, by use of a pick roller, a plurality of sheets of paper stacked on a chute from the bottom side thereof, leading ends of the sheets being aligned by means of a stopper block in a state in which the sheets are stacked on the chute, characterized by comprising:  
a roller guide that is movable between a paper setting position and a retreat position and raises~~for raising~~ the leading ends of the sheets stacked on the chute to thereby prevent contact between the sheets and the pick roller, when the roller guide is raised to at the~~the~~ paper setting position in a direction away from the pick roller; and  
an abutment guide for aligning the leading ends of the sheets, which ends have been raised by means of the raised roller guide, wherein  
when a pick operation is started, prior to retraction of the roller guide, sheet pressing operation of a pick arm and retraction of the abutment guide are performed, and then the sheets are taken out through a clearance formed between the distal end of the stopper block and the pick roller.
2. (Original) A paper feed apparatus according to claim 1, wherein the paper feed apparatus is disposed in an original-conveyance-type image reader apparatus having a housing structure that can be divided into an upper housing and a lower housing; the roller guide is attached to the lower housing; and the abutment guide is attached to the upper housing.
3. (Original) A paper feed apparatus according to claim 1, wherein the roller guide is mechanically linked with the pick roller so that the roller guide is moved to the paper setting position through drive of the pick roller in a reverse direction, and is moved to a retreat position through drive of the pick roller in a regular direction.

4. (Original) A paper feed apparatus according to claim 1, wherein the roller guide is moved upward and downward before start of paper feed operation so as to impart vertical vibration to the sheets to be fed, to thereby align the leading end of the sheets.

5. (Original) A paper feed apparatus according to claim 1, wherein a common drive source is used for a feed roller and the abutment guide so as to move the abutment guide to a paper setting position through drive of the feed roller in a reverse direction, and move the abutment guide to a retreat position through drive of the feed roller in a regular direction.

6. (Original) A paper feed apparatus according to claim 1, wherein a portion of the abutment guide which comes into contact with the leading ends of the sheets of paper has a roughened surface.

7. (Cancelled)

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  - a roller guide that is movable between a paper setting position and a retreat position and raises the leading ends of the sheets stacked on the chute to thereby prevent contact between the sheets and the pick roller, when the roller guide is raised to the paper setting position in a direction away from the pick roller; and
  - an abutment guide for aligning the leading ends of the sheets, which ends have been raised by means of the raised roller guide, wherein
  - when a pick operation is started, prior to retraction of the roller guide, sheet pressing operation of a pick arm and retraction of the abutment guide are performed, and then the sheets are taken out through a clearance formed between the distal end of the stopper block and the pick roller.
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